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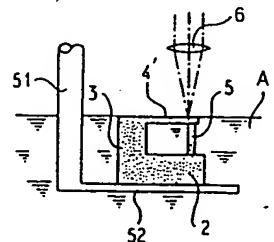
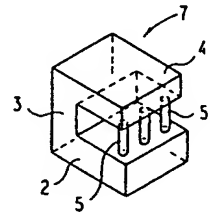
(54) OPTICAL SHAPING

- (11) 2-22035 (A) (43) 24.1.1990 (19) JP
 (21) Appl. No. 63-252795 (22) 5.10.1988 (33) JP (31) 88p.55398 (32) 8.3.1988
 (71) OSAKA PREFECTURE(1) (72) YOJI MARUTANI(2)
 (51) Int. Cl.³ B29C67/00, C08F2/46, G03F7/26

DOC

PURPOSE: To make it possible to prevent occurrence of deformation when a cured part is formed by irradiating it with light by forming a solid while a shape-holding part for reinforcement is simultaneously cured and formed and removing the shape-holding part if necessary after forming it.

CONSTITUTION: When a cured part is formed by irradiating it with light, a tongue piece 4' is most easily deformed. Therefore, a shape-holding part 5 for reinforcement over the tongue piece 4' and a neighboring part of another end part of a base 2 is prepd. at the same time when a side wall part 3 is cured and formed and then, an upper part 4 being continuously extended to the upper end is cured and formed. Therefore, when the tongue piece 4' is formed, the shape-holding part 5 extended from the base 2 reinforces and holds the tongue piece 4' and prevents the occurrence of deformation of the tongue piece 4' to make an upper part 4 without deformation. It is possible to obtain a solid having a required shape without any deformation by removing the shape-holding part 5 from the thus formed solid 7 by means of a proper method such as cutting.



B29C 67/00L

(54) MANUFACTURING DEVICE OF SOLID STATUE OF PHOTO-SETTING RESIN

(11) 1-61230 (A) (43) 8.3.1989 (19) JP
(21) Appl. No. 62-217777 (22) 2.9.1987
(71) KUNIHICO MORIYAMA (72) KUNIHICO MORIYAMA
(51) Int. Cl. B29C67/00//B29C35/08

PURPOSE: To enable manufacturing of a solid statue by a photographic technique, by a method wherein photo-setting resin put into a case, to which a window has been fitted, is adjusted so that a focal plane of an image of a photographic subject through a lens is made within the photo-setting resin and the photo-setting resin is cooled always.

CONSTITUTION: A molten crystal window is fitted to a case 2 as a window 13. The window 13 is filled with photo-setting resin until the same adheres close to the window 13. A position of a lens 3 is adjusted by a position adjusting device 11 so that a focal plane 4 of an image of a photographic subject 10 fixed to a supporting body 8 through a lens may be made at a position close to the window 13 in a case. Then dry ice 12 is pressed against a bottom plate 7 by a spring 6. The surface of the window 13 is dried further by sending air strongly to the surface of the window 13 by a blower 9 so that the surface of the window 13 does not become cloudy. Then when the surface of the photographic subject 10 is illuminated by making use of an ultraviolet lamp as an illuminator 14, a solid statue is made in a form where it is stuck to the window.

